

EIF4A1 (Acetyl-K309) Antibody

Catalog No: #SAB609

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Description

Product Name	EIF4A1 (Acetyl-K309) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was purified from rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Applications	WB
Species Reactivity	Human
Specificity	EIF4A1(Acetyl-K309) Antibody detects endogenous levels of eIF4A1 only when acetylated at K309.
Immunogen Description	A synthesized peptide derived from human eIF4A1 around the acetylated site of K309.
Other Names	eIF-4A-I,eIF4A-I,DDX2A, EIF4A
SDS-PAGE MW	46kDa
Concentration	1 mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl,0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Western Blot: 1/500 - 1/2000

Background

ATP-dependent RNA helicase which is a subunit of the eIF4F complex involved in cap recognition and is required for mRNA binding to ribosome. In the current model of translation initiation, eIF4A unwinds RNA secondary structures in the 5'-UTR of mRNAs which is necessary to allow efficient binding of the small ribosomal subunit, and subsequent scanning for the initiator codon.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.